

**Iowa Public Television
Infrastructure Appropriations Status Report
January 15, 2014**

Project: Replacement of Inductive Output Tubes (IOTs)

Description:

Six of IPTV's transmitter sites use primary transmitters that are based on high-powered transmitting tubes called Inductive Output Tubes or IOTs. At two of the sites we use transmitters that require two of these tubes and at the other four sites we use single tubes, for a total of 8 tubes in the system. With the digital television conversion, all of the tubes were replaced with new tubes. Tubes have a life expectancy of approximately 40,000 hours in continuous use. The devices have been in use for three to four years depending upon the installation at each site. The tubes will start failing once they reach 40,000 hours of use and must be replaced.

Progress of Work Completed:

None of the tubes have failed at this time

Total Estimated Cost of Project: \$320,000

List of all Revenue Sources to Fund the Project:

State Funds: Technology Reinvestment Fund 8.57C

Amount of Funds Expended: None

Amount of Funds Obligated: None

Estimated Completion Date of Project: Completed

Project: Purchase of building in Johnston, Iowa

Description:

Iowa Public Television (IPTV) has purchased a building that IPTV was leasing. The building at 6535 Corporate Drive in Johnston, IA, (across the street from IPTV's headquarters) has housed our educational telecommunications staff, administrative staff, and the IPTV Foundation staff – the fund raising organization for Iowa Public Television -- for the past 14 years. The leased premises include 11,000 square feet of office space and 2,500 square feet of warehouse space. There is an option to purchase clause in the lease agreement.

Progress of Work Completed:

Completed

Total Estimated Cost of Project: \$1,255,550

List of all Revenue Sources to Fund the Project:

State Funds: Rebuild Iowa Infrastructure Fund, fund 0017, appropriation 04I

Amount of Funds Expended: \$1,255,550

Amount of Funds Obligated: None

Estimated Completion Date of Project: Completed

Project: Digital Television Conversion

Description:

The Federal Communications Commission (FCC) has mandated that the entire broadcast industry convert from our present analog transmission standard to a new digital transmission standard. IPTV must convert nine transmitters, eight translators and its headquarters from analog to digital. To prepare a site for digital broadcast, towers are purchased, leased, modified, or built. Transmitters, antennas, transmission lines and other RF components are designed, purchased and installed. Buildings for the transmitters and equipment are built or modified.

Progress of Work Completed:

Completed

The following high power transmitters have been completed and are on-air: KDIN-DT, Des Moines, KIIN-DT, Iowa City, KBIN-DT, Council Bluffs, KSIN-DT, Sioux City, KRIN-DT, Waterloo, KHIN-DT, Red Oak, KTIN-DT, Fort Dodge, KYIN-DT, Mason City, and KQIN-DT, Davenport. All eight of IPTV's eight translators had been upgraded to digital capable translators. The digital interconnections between the transmitter sites and Johnston headquarters have been completed. A digital master control system has been installed at Johnston headquarters. The studio equipment has been purchased and installed. Per HF 648, \$1,000,000 was used for operational costs of Iowa Public Television in FY 2012.

Total Estimated Cost of Project: \$44,769,390

List of all Revenue Sources to Fund the Project:

State Funds:

- Technology Program
- Pooled Technology Fund
- Tax-Exempt Bonds Proceeds Rest
- Rebuild Iowa Infrastructure Fund, fund 0017, appropriation 64J
- Technology Reinvestment Fund

Federal Funds

- Department of Commerce, National Telecommunications and Information Administration, Public Telecommunications Facilities Program
- Department of Commerce, National Telecommunications and Information Administration, Translator Reimbursement Grant

Other Funds

- Corporation for Public Broadcasting Digital Universal Service Fund Grants
- Corporation for Public Broadcasting Digital Distribution Fund Grants
- Business and Industry partners

Amount of Funds Expended: \$44,769,390

Amount of Funds Obligated: None

Estimated Completion Date of Project: Completed